

Appl No. 10/760,340
Amndt. dated March 30, 2006
Reply to Office action of 1/11/2006

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claims 1 – 2 (Cancelled).

3. (Currently Amended): AnThe antenna system of claim 2, comprising:
a plurality of antenna elements for providing a respective plurality of communications signals over a wireless channel; and
an isolating structure, selectively positioned with respect to the antenna elements, for selective varying signal isolation between the respective antenna elements;
wherein the isolating structure is adapted to selectively vary signal isolation so as to switch between a sectorized antenna configuration and an antenna array configuration; and
wherein the isolating structure is a removable structure, selectively received in a socket co-located with respect to the antenna elements.
- 4 (Currently Amended): The An antenna system of claim 2, comprising:
a plurality of antenna elements for providing a respective plurality of communications signals over a wireless channel; and
an isolating structure, selectively positioned with respect to the antenna elements, for selective varying signal isolation between the respective antenna elements;
wherein the isolating structure is adapted to selectively vary signal isolation so as to switch between a sectorized antenna configuration and an antenna array configuration; and
wherein the isolating structure is a displaceable structure, for selective displacement between an isolating position and a non-isolating position.
5. (Original): The antenna system of claim 4 wherein the isolating structure is hinged so as to pivot between isolating and non-isolating positions.
6. (Original): The antenna structure of claim 4 wherein the isolating structure is adapted to be selectively retained inside a cavity, wherein the isolating structure is in the non-isolating

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position when stowed in the cavity, and is in the isolating position when not stowed in the cavity.

7. (Original): The antenna structure of claim 6 wherein the isolating structure is spring-loaded to be selectively retained inside the cavity.

8. (Original): The antenna system of claim 4 wherein the isolating structure is formed of a material having displaceable elements at a sub-macroscopic level, adapted to select between isolating and non-isolating polarization states.

9. (Original): The antenna system of claim 4 wherein the isolating structure is a louvered arrangement, adapted to select between a closed, isolating position and an open, non-isolating position.

10. (Currently Amended): The antenna system of claim 3 wherein the plurality of antenna elements provide wireless communications over a plurality of wireless channels.

11. (Original): The antenna system of claim 10 wherein at least one of the wireless channels is selected from a group including 2.4 GHz and 5 GHz wireless bands.

Claims 12 and 13 (Canceled)

14. (Currently Amended): The A wireless access point of claim 13, comprising:

radio circuitry for exchanging an electronic network signal with a wireless signal;
an antenna system for sending and receiving wireless signals with a mobile client coupled to the radio circuitry, the antenna system further comprising:
a plurality of antenna elements for providing a respective plurality of communications signals over a wireless channel; and
an isolating structure, selectively positioned with respect to the antenna elements, for selective varying signal isolation between the respective antenna elements;
wherein the isolating structure is adapted to selectively vary signal isolation so as to switch between a sectorized antenna configuration and an antenna array configuration; and

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wherein the isolating structure is a removable structure, selectively received in a socket co-located with respect to the antenna elements.

15. (Currently Amended): The wireless access point of claim 13, comprising:
radio circuitry for exchanging an electronic network signal with a wireless signal;
an antenna system for sending and receiving wireless signals with a mobile client coupled to the radio circuitry, the antenna system further comprising:
a plurality of antenna elements for providing a respective plurality of communications signals over a wireless channel; and
an isolating structure, selectively positioned with respect to the antenna elements, for selective varying signal isolation between the respective antenna elements;
wherein the isolating structure is adapted to selectively vary signal isolation so as to switch between a sectorized antenna configuration and an antenna array configuration; and
wherein the isolating structure is a displaceable structure, for selective displacement between an isolating position and a non-isolating position.
16. (Original): The wireless access point of claim 15 wherein the isolating structure is hinged so as to pivot between isolating and non-isolating positions.
17. (Original): The wireless access point of claim 15 wherein the isolating structure is adapted to be selectively retained inside a cavity, wherein the isolating structure is in the non-isolating position when stowed in the cavity, and is in the isolating position when not stowed in the cavity.
18. (Original): The wireless access point of claim 17 wherein the isolating structure is spring-loaded to be selectively retained inside the cavity.
19. (Original): The wireless access point of claim 15 wherein the isolating structure is formed of a material having displaceable elements at a sub-macroscopic level, adapted to select between isolating and non-isolating polarization states.

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20. (Original): The wireless access point of claim 15 wherein the isolating structure is a louvered arrangement, adapted to select between a closed, isolating position and an open, non-isolating position.

21. (Currently Amended): The wireless access point of claim 14 wherein the plurality of antenna elements provide wireless communications over a plurality of wireless channels.

22. (Original): The wireless access point of claim 21 wherein at least one of the wireless channels is selected from a group including 2.4 GHz and 5 GHz wireless bands.

23. (New): An antenna system, comprising:
a means for providing a respective plurality of communications signals over a wireless channel;

a means for selective varying signal isolation selectively positioned with respect to the means for providing a respective plurality of communications signals over a wireless channel;
wherein the means for selective varying signal isolation is adapted to selectively vary signal isolation so as to switch between a sectorized antenna configuration and an antenna array configuration; and

wherein the means for selective varying signal isolation is displaceable for selective displacement between an isolating position and a non-isolating position.

24. (New) The antenna system of claim 23 wherein the means for selective varying signal isolation is hinged so as to pivot between isolating and non-isolating positions.

25. (New): The antenna structure of claim 23 wherein the means for selective varying signal isolation is adapted to be selectively retained inside a cavity, wherein the means for selective varying signal isolation is in the non-isolating position when stowed in the cavity, and is in the isolating position when not stowed in the cavity.

26. (New): The antenna structure of claim 25 wherein the means for selective varying signal isolation is spring-loaded to be selectively retained inside the cavity.

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27. (New): The antenna system of claim 23 wherein the means for selective varying signal isolation is formed of a material having displaceable elements at a sub-macroscopic level, adapted to select between isolating and non-isolating polarization states.

28. (New): The antenna system of claim 23 wherein the means for selective varying signal isolation is a louvered arrangement, adapted to select between a closed, isolating position and an open, non-isolating position.

29. (New): The antenna system of claim 23, wherein the means for providing a respective plurality of communications signals over a wireless channel provides wireless communications over a plurality of wireless channels.

30. (New): The antenna system of claim 29, wherein at least one of the wireless channels is selected from the group consisting of 2.4 GHz and 5 GHz wireless bands.